

Date: 10-12-06

Sheet 1 of 1

| | | |
|---|-------------------------------|-----------------------------------|
| FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary) | Docket Number: 14095.1USC6 | Application Number: 10/727,059 |
| | Applicant: CARLSON | |
| | Filing Date: 12/02/2003 | Group Art Unit: 1639 |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|--------------|------------|-----------------|-------|----------|----------------------------|
| EXAMINER INITIAL | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| /M.S./ | 5,925,529 | 07/20/1999 | Coughlin et al. | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|----------------|------------|---------|-------|----------|-------------|----|
| | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
| | | | | | | YES | NO |
| /M.S./ | WO 99/25384 | 05/27/1999 | PCT | | | | |
| /M.S./ | WO 00/16733 | 03/30/2000 | PCT | | | | |
| /M.S./ | WO 01/46698 A2 | 06/28/2001 | PCT | | | | |
| | | | | | | | |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | |
|--|--|--|
| /M.S./ | | Copy of International Search Report mailed March 8, 2006 |
| | | |
| | | |
| | | |

23552
PATENT TRADEMARK OFFICE

| | |
|-------------------------|----------------------------|
| EXAMINER /Mark Shibuya/ | DATE CONSIDERED 11/12/2007 |
|-------------------------|----------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

Date: 6-6-07

Sheet 1 of 2

| | | |
|---|-------------------------------|-----------------------------------|
| FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary) | Docket Number: 14095.1USC6 | Application Number: 10/727,059 |
| | Applicant: CARLSON | |
| | Filing Date: 12/02/2003 | Group Art Unit: 1639 |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|--------------|------------|--------------------|-------|----------|----------------------------|
| EXAMINER INITIAL | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| /M.S./ | 5,453,533 | 09/26/1995 | LUO ET AL. | | | |
| ↓ | 5,990,163 | 11/23/1999 | EVANS ET AL. | | | |
| | 6,346,423 | 02/12/2002 | SCHEMBRI | | | |
| | 6,652,835 | 11/25/2003 | LAUFFER ET AL. | | | |
| | 7,018,792 | 03/28/2006 | SWANSON ET AL. | | | |
| | 2002/0019015 | 02/14/2002 | LAHIRI ET AL. | | | |
| | 2003/0083235 | 05/01/2003 | DANISHEFSKY ET AL. | | | |
| | 2004/0102607 | 05/27/2004 | DANISHEFSKY ET AL. | | | |
| | 2004/0151733 | 08/05/2004 | LIVINGSTON ET AL. | | | |
| ↓ | 2004/0208884 | 10/21/2004 | DANISHEFSKY ET AL. | | | |
| | | | | | | |
| | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|----------------|------------|---------|-------|----------|-------------|----|
| | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
| | | | | | | YES | NO |
| /M.S./ | WO 2004/011476 | 02/05/2004 | WIPO | | | | |
| /M.S./ | WO 2006/017180 | 02/16/2006 | WIPO | | | | |
| | | | | | | | |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | |
|--|--|--|
| /M.S./ | | Adams et al., "Oligosaccharide and Glycoprotein Micorarrays as Tools in HIV Glycobiology: Glycan-Dependent gp120/Protein Interactions," <i>Chemistry & Biology</i> , Vol. 11, 875-881, June 2004 |
| ↓ | | Bryan et al., "Saccharide Display on Microtiter Plates," <i>Chemistry & Biology</i> , Vol. 9, 713-720, June 2002 |
| | | Bryan et al., "Covalent Display of Oligosaccharide Arrays in Microtiter Plates," <i>J. Am Chem. Soc.</i> 2004, 126, 8640-8641 |
| | | Cho et al., "Pin-Printed Chemical Sensor Arrays for Simultaneous Multianalyte Quantification," <i>Anal. Chem.</i> 2002, 74, 1462-1466 |
| ↓ | | Collins et al., "Cell Surface Biology Mediated by Low Affinity Multivalent Protein-Glycan Interactions," <i>Current Opinion in Chemical Biology</i> , 2004, 8:617-625 |

| | |
|---|----------------------------|
| EXAMINER /Mark Shibuya/ | DATE CONSIDERED 11/12/2007 |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant. | |

Date: 6-6-07

Sheet 2 of 2

| | | |
|---|-------------------------------|-----------------------------------|
| FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary) | Docket Number: 14095.1USC6 | Application Number: 10/727,059 |
| | Applicant: CARLSON | |
| | Filing Date: 12/02/2003 | Group Art Unit: 1639 |

| | | |
|--------|--|--|
| /M.S./ | | Disney et al., "Aminoglycoside Microarrays to Study Antibiotic Resistance," <i>Angew. Chem. Int. Ed.</i> 2004, 43, 1591-1594 |
| | | Disney et al., "Aminoglycoside Microarrays to Explore Interactions of Antibiotics with RNAs and Proteins," <i>Chem. Eur. J.</i> , 2004, 10, 3308-3314 |
| | | Disney et al., "The Use of Carbohydrate Microarrays to Study Carbohydrate-Cell Interactions and to Detect Pathogens," <i>Chemistry & Biology</i> , Vol. 11, 1701-1707, December 2004 |
| | | Fukui et al., "Oligosaccharide Microarrays for High-Throughput Detection and Specificity Assignments of Carbohydrate-Protein Interactions," <i>Nature Biotechnology</i> , October 2002, Volume 20, 1011-1017 |
| | | Houseman et al., "Carbohydrate Arrays for the Evaluation of Protein Binding and Enzymatic Modification," <i>Chemistry & Biology</i> , Vol. 9, 443-454, April 2002 |
| | | Kuruvilla et al., "Dissecting Glucose Signalling with Diversity-Oriented Synthesis and Small-Molecule Microarrays," <i>Nature</i> , Vol. 416, April 2002, 653-657 |
| | | Mahal, "Catching Bacteria with Sugar," <i>Chemistry & Biology</i> , Vol. 11, December 2004 |
| | | Mellet et al., "Carbohydrate Microarrays," <i>ChemBioChem</i> , 2002, 3, 819-822 |
| | | Michael et al., "Randomly Ordered Addressable High-Density Optical Sensor Arrays," <i>Anal. Chem.</i> , 1998, 70, 1242-1248 |
| | | Ni et al., "Synthesis of Maleimide-Activated Carbohydrates as Chemoselective Tags for Site-Specific Glycosylation of Peptides and Proteins," <i>Bioconjugate Chem.</i> , 2003, 14, 232-238 |
| | | Nimrichter et al., "Intact Cell Adhesion to Glycan Microarrays," <i>Glycobiology</i> , Vol. 14, No. 2, pp. 197-203, 2004 |
| | | Ratner et al., "Probing Protein-Carbohydrate Interactions with Microarrays of Synthetic Oligosaccharides," <i>ChemBioChem</i> , 2004, 5, 379-383 |
| ↓ | | Sasmai et al., "Facile Purification of Rare Cucurbiturils by Affinity Chromatography," <i>Organic Letters</i> , 2004, Vol. 6, No. 8, 1225-1228 |

23552

PATENT TRADEMARK OFFICE

| | |
|---|----------------------------|
| EXAMINER /Mark Shibuya/ | DATE CONSIDERED 11/12/2007 |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant. | |

Date: July 13, 2007

Sheet 1 of 2

| | | |
|---|----------------------------------|-----------------------------------|
| FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary) | Docket Number: 14095.0001USC6 | Application Number: 10/727,059 |
| | Applicant: CARLSON | |
| | Filing Date: December 2, 2003 | Group Art Unit: 1639 |

| U.S. PATENT DOCUMENTS | | | | | | |
|--|---------------|---|----------|-------|----------|-------------------------------|
| EXAMINER INITIAL | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| /M.S./ | 6,875,620 | 04/05/2005 | Schembri | | | 10/31/1996 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | |
| | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |
| | | | | | | YES NO |
| /M.S./ | DE 197 40 263 | 05-07-1998 | Germany | | | See US 6,875,620 |
| ↓ | WO 95/02566 | 01-26-1995 | PCT | | | |
| | WO 98/12156 | 03-26-1998 | PCT | | | |
| ↓ | WO 00/13017 | 03-09-2000 | PCT | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | |
| /M.S./ | | Angers et al., Proc. Natl. Acad. Sci. USA (March 28, 2000), Vol. 97(7), pp 3684-3689 | | | | |
| /M.S./ | | European Search Report, Application No. 03709250.9 dated May 7, 2007 | | | | |
| /M.S./ | | Iorio et al., "Highly Sequence Selective Nonmacrocylic Two-armed Receptors for Peptides," Bioorganic & Medicinal Chemistry Letters, Oxford, GB, Vol. 9, No. 15, 2 August 1999, pp 2145-2150 | | | | |
| /M.S./ | | Iorio et al., "Sequence-Selective Peptide Detection by Small Synthetic Chemosensors Selected from an Encoded Combinatorial Chemosensor Library," Bioorganic & Medicinal Chemistry Letters, Oxford, GB, Vol. 11, No. 13, 9 July 2001, pp 1635-1638 | | | | |
| /M.S./ | | Nestler et al., "Combinatorial Libraries: Studies in Molecular Recognition," Combinatorial Chemistry and High Throughput Screening, Hilversum, NL, Vol. 1, No. 3, October 1998, pp 113-126 | | | | |
| /M.S./ | | Still, "Discovery of Sequence-selective Peptide Binding by Synthetic Receptors Using Encoded Combinatorial Libraries," Accounts of Chemical Research, ACS, Washington, DC, US, Vol. 29, 1996, pp 155-163 | | | | |
| /M.S./ | | USSN 10/244,727 Office Action (1/25/06) | | | | |
| ↓ | | USSN 10/244,727 Office Action (2/8/06) | | | | |
| | | USSN 10/244,727 Office Action (2/12/07) | | | | |
| ↓ | | USSN 10/244,727 Office Action (5/17/05) | | | | |

| | | | |
|---|----------------|-----------------|------------|
| EXAMINER | /Mark Shibuya/ | DATE CONSIDERED | 11/12/2007 |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant. | | | |

Date: July 13, 2007

Sheet 2 of 2

| | | |
|---|-----------------------------------|-----------------------------------|
| FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary) | Docket Number: 14095.0001 USC6 | Application Number: 10/727,059 |
| | Applicant: CARLSON | |
| | Filing Date: December 2, 2003 | Group Art Unit: 1639 |

| | | |
|--------|--|--|
| /M.S./ | | USSN 10/244,727 Office Action (5/17/07) |
| | | USSN 10/244,727 Office Action (8/10/05) |
| | | USSN 10/244,727 Office Action (8/11/06) |
| | | USSN 10/244,727 Office Action (12/29/06) |
| | | USSN 10/703,660 Office Action (3/8/07) |
| | | USSN 10/703,660 Office Action (6/22/06) |
| | | USSN 10/703,779 Office Action (3/12/07) |
| | | USSN 10/703,779 Office Action (6/29/06) |
| | | USSN 10/703,876 Office Action (3/2/07) |
| | | USSN 10/703,876 Office Action (6/29/06) |
| | | USSN 10/706,505 Office Action (2/15/07) |
| | | USSN 10/706,505 Office Action (6/29/06) |
| | | USSN 10/706,573 Office Action (1/31/07) |
| | | USSN 10/706,573 Office Action (6/30/06) |
| | | USSN 10/727,059 Office Action (10/5/06) |
| | | USSN 10/813,568 Office Action (2/15/07) |
| | | USSN 10/813,568 Office Action (10/5/06) |
| | | USSN 10/813,612 Office Action (2/15/07) |
| ✓ | | USSN 10/813,612 Office Action (10/6/06) |
| | | |

23552
PATENT TRADEMARK OFFICE

| | |
|---|-----------------------------------|
| EXAMINER <u>/Mark Shibuya/</u> | DATE CONSIDERED <u>11/12/2007</u> |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant. | |